



DPM 926

MATERIAL HEALTH AND SAFETY BULLETIN

UNION CHEMICALS DIVISION / NITROGEN GROUP

UCD No.: 1771

Product Code No.: 211

UN No. 2067

MANUFACTURER'S NAME

Union Chemicals Division, Union Oil Company of California

STREET ADDRESS

461 South Boylston

CITY, STATE, AND ZIP CODE

Los Angeles, CA 90017

P. O. Box 60455, 90060

EMERGENCY TELEPHONE NO.

Transportation Emergencies call CHEMTREC (800) 424-9300

Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121

PRODUCT:

COMMON NAME: Ammonium Nitrate, Prilled

GENERIC NAME: Ammonium Nitrate

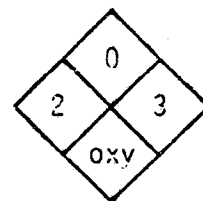
CHEMICAL NAME: Ammonium Nitrate

CHEMICAL FAMILY: Mineral Salt

DOT PROPER SHIPPING NAME:

WARNING STATEMENT:

Ammonium nitrate solid should not be contaminated with organic reducing agents which may cause an explosion.



Section I -- INGREDIENTS

	TLV*		TLV*
Ammonium Nitrate	*10mg/m ³		

*Threshold Limit Value

A. OSHA ☐B. ACGIH ☐C. See Section III ☐D. Other ☐

*Nuisance dust

Union Chemicals Division

Union Oil Company of California

Chemical Sales Services Department, Post Office Box 60455, Los Angeles, California 90060 (213) 664-2121

Section II -- EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	Flush with large quantities of water for at least 15 minutes. No first aid is normally required.
Skin Contact	Wash with large quantities of water and seek medical attention if irritation from contact persists.
Inhalation	If breathing difficulties, dizziness or light-headedness occur when working in areas with high vapor concentration, victim should be removed to fresh air free of vapors.
Ingestion	Induce vomiting if the victim is conscious. If swallowed, contact physician immediately. Physician should consult Los Angeles Poison Control Center (24 hours) - (213) 644-2121 regarding vomiting.

Section III -- PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.
Skin Effects	Prolonged or repeated skin contact may result in dermatitis.
Systemic Effects	Various studies have shown a possible association with exposure to this product and the following: Possible methemoglobinemia. Allergies.

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Section IV -- SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)	No respiratory protection is expected to be needed in normal use.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impremeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment			

Section V -- REACTIVITY DATA

Stability	Unstable	X	Conditions to Avoid: Contamination with easily oxidizable matter.
	Stable		
Incompatibility (Materials to Avoid)	Organic or other easily oxidizable matter.		
Hazardous Decomposition Products	Nitrogen oxides.		
Hazardous Polymerization	May Occur	X	Conditions to Avoid:
	Will Not Occur		

Section VI -- SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300

Precautions In Case of Release or Spill	Prevent spilled liquid from entering sewers, storm drains, other unauthorized sewage treatment/drainage systems and natural waterways.
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, If Spill Is Greater Than _____ lbs (Kilograms)
Waste Disposal Method	Dispose of product in accordance with applicable local, county, state and federal regulations.

Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Use and store this product with adequate ventilation. (See Section 4.)
Other Precautions	Do not store adjacent to urea.

Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Not applicable.	Flash Point Range: <input type="checkbox"/> Below 20° F, <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input type="checkbox"/> Over 200° F <input type="checkbox"/> None to boiling
Extinguishing Media	Water	
Unusual Fire and Explosion Hazards	In a fire, the oxide of nitrogen are toxic decomposition products.	
Fire Fighting Procedures	Use self-contained breathing apparatus.	

Section IX -- PHYSICAL DATA

Approximate Boiling Range, ° F		Vapor Density: <input type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Melting Point °F	337	
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input type="checkbox"/> Slower		Percent Volatile: Solubility in Water: 118gr/100gr water
Specific Gravity: <input type="checkbox"/> Lighter Than Water <input checked="" type="checkbox"/> Heavier		Weight per Gallon: Bulk Density 501bs/cu. ft.
Appearance and Odor: White spherical solid.		

Section X -- DOCUMENTARY INFORMATION

Product Code No. 211	Issue Date July 1981	Prepared By P. S. Backlund
Replaces: UCD No. 297	Product Code No. 211	Issued January 1980
Reviewed By: <i>Robert A. Jettan</i>	Manager, Loss Prevention	
Reviewed By: <i>Rainer Beck</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>Robert E. Hargis</i> 8/9	Science and Technology Division	

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